Bruhat Bengaluru
Mahanagara Palike

WORK SLIP- STATEMENT

BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

WORK SLIP

NAME OF WORK:- Modified Estimate for Construction of Samudaya Bhavan at Puttenahalli Colony in Chowdeshwari Ward No 02.

Estimated Cost RS:-30.00 Lakh,s

Agency:-Sri.H S Palaksha Murthy

Approved Tender Amount RS:- 28,04,779.00 (Excluding GST 12%)

Tender Premium:- 4.85% Above

Modified Est S.No.s	Tender Item S.No.s	Description of Work	Unit	Qty as per Sanctioned Estimate			Qty as per Tender			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Amount	Excess	Savings	Remarks
				Qty	Rates	Amount	Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	1	KSRRB M200-15.2. Dismantling of existing Structures like culverts,bridges,retaining walls and other structure comprising of masanry,cement concrete,wood work,steel work,including T&P and scaffolding wherever necessary,sorting the dismantled material,disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.iii)Dismantling Stone Masanry.B.Rubble stone masanry in cement mortar.MORTH Specification No.202	Cum	4.32	329.08	1637.63	4.32	275.00	1188.00	4.32	4.32	275.00	1188.00				1188.00			
2	2	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305	Cum	46.67	351.00	16381.17	46.67	300.00	14001.00	58.24	58.24	300.00	17472.00				17472.00	3471.00		
3	3	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4	Cum	86.72	484.92	42052.26	86.72	466.51	40455.75	132.77	108.40	466.51	50570.00	24.37	508.44	12393.00	62963.00	22507.25		
4	4	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15	Cum	7.34	2623.32	19255.17	7.34	1575.00	11560.50	8.57	8.57	1575.00	13495.00				13495.00	1934.50		

5	5	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3	Cum	12.37	5510.16	68160.68	12.37	2700.00	33399.00	28.50	15.46	2700.00	41749.00	13.04	6200.10	80851.00	122600.00	89201.00		
6	6	Providing and laying in position plain cement concrete of Mix M15 with Cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curingcomplete as per specifications.(BCSR Item No 4.6,Page No 13)	cum	10.77	5855.76	63066.54	10.77	2200.00	23694.00	19.11	13.46	2200.00	29618.00	5.65	6703.36	37871.00	67489.00	43795.00		
7	7	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Pg No 25 item No 5.6	Cum	13.39	4963.68	66463.68	13.39	2800.00	37492.00	28.73	16.74	2800.00	46865.00	11.99	5204.42	62419.00	109284.00	71792.00		
8	8	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10	Cum	19.53	217.08	4239.57	19.53	208.84	4078.65	78.71	24.41	208.84	5098.00	54.29	227.61	12355.00	17456.00	13377.35		
9	9	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136.Item No17.4	Cum	71.51	67.09	4797.61	71.51	93.51	6686.90	58.39	58.39	93.51	5460.00				5460.00		1226.90	
10	10	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28	Sqm	49.92	278.64	13909.71	49.92	268.06	13381.56	39.60	39.60	268.06	10615.18				10615.18		2766.38	
11	11	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31	Sqm	37.44	386.64	14475.80	37.44	371.96	13926.18	40.50	40.50	371.96	15064.38				15064.38	1138.20		
12	12	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32	Sqm	101.70	492.48	50085.22	101.70	473.78	48183.43	103.20	103.20	473.78	48894.00				48894.00	710.57		

13	13	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2	Sqm	108.48	432.00	46863.36	108.48	415.60	45084.29	96.20	96.20	415.60	39980.72				39980.72		5103.57	
14	14	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36	Sqm	11.82	815.40	9638.03	11.82	784.45	9272.20	10.37	10.37	784.45	8131.00						9272.20	
15	15	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34	Sqm	66.90	315.36	21097.58	66.90	418.72	28012.37	58.04	58.04	418.72	24302.51				24302.51		3709.86	
16	16	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38	Sqm	34.05	561.60	19122.48	34.05	540.28	18396.53	11.20	11.20	540.28	6051.14				6051.14		12345.40	
17	17	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37	Sqm	10.08	348.84	3516.31	10.08	325.60	3282.05	3.15	3.15	325.60	1025.64				1025.64		2256.41	
18	18	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregies @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10	Cum	34.09	6276.96	213981.57	34.09	3030.00	103292.70	36.56	36.56	3030.00	110780.00				110780.00	7487.30		

19	19	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts,butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12	Cum	5.84	6528.60	38127.02	5.84	5000.50	29202.92	5.84	5.84	5000.50	29213.00				29213.00	10.08		
20	20	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts,butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12	Cum	5.80	6593.40	38241.72	5.80	6280.76	36428.41	6.12	6.12	6280.76	38451.00				38451.00	2022.59		
21	22	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2	Cum	25.20	5936.76	149606.35	25.20	6121.79	154269.11	18.92	18.92	6121.79	115849.00				115849.00		38420.11	
22	23	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20	Sqm	3.60	535.68	1928.45	3.60	515.34	1855.22	2.43	2.43	515.34	1252.28				1252.28		602.95	
23	24	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20	Sqm	3.60	541.08	1947.89	3.60	515.34	1855.22	0.41	0.41	515.34	208.71				208.71		1646.51	

24	25	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2	Tonne	5.70	84247.60	480211.32	5.70	58000.00	330600.00	5.71	5.71	58000.00	331161.00				331161.00	561.00		
25	26	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2	Tonne	2.42	85055.40	205834.07	2.42	47000.00	113740.00	2.51	2.51	47000.00	118096.90				118096.90	4356.90		
26	28	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1	Sqm	77.87	984.96	76698.84	77.87	947.57	73787.28	79.38	79.38	947.57	75213.00				75213.00	1425.72		
27	29	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1	Sqm	79.76	1022.76	81575.34	79.76	947.57	75578.18	75.82	75.82	947.57	71845.00				71845.00		3733.18	
29	29	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners, wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.17	Sqm	91.34	281.88	25746.92	91.34	271.18	24769.58	114.01	114.18	271.18	30961.98	-0.17	295.55	-50.00	30911.98	6142.40		
31	31	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners, wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16	Sqm	93.23	294.84	27487.93	93.23	271.18	25282.11	100.70	100.70	271.18	27307.83				27307.83	2025.71		
32	32	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10	Sqm	91.91	220.32	20249.61	91.91	233.78	21486.72	106.27	106.27	233.78	24843.22				24843.22	3356.50		

33	33	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10	Sqm	93.80	226.80	21273.84	93.80	233.78	21928.56	65.00	65.00	233.78	15195.70				15195.70		6732.86	
34	34	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering. : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22	Sqm	108.83	243.00	26445.69	108.83	233.78	25442.28	102.14	102.14	233.78	23878.29				23878.29		1563.99	
35	35	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106	Sqm	331.25	84.24	27904.50	331.25	81.04	26844.50	260.81	260.81	81.04	21135.84				21135.84		5708.66	
36	36	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer .PgNo. 119, LNo. 15.51.2	Sqm	222.42	97.20	21619.22	222.42	93.51	20798.49	161.07	161.07	93.51	15061.42				15061.42		5737.07	
37	37	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2	Sqm	108.83	127.44	13869.30	108.83	114.29	12438.18	99.74	99.74	114.29	11399.28				11399.28		1038.90	
38	38	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, LNo. 15.53.2 of SR 2018-19).	Sqm	91.34	110.16	10062.01	91.34	105.98	9680.21	114.01	114.01	105.98	12082.51				12082.51	2402.30		
39	39	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, LNo. 15.53.2 of SR 2018-19).	Sqm	93.23	118.80	11075.72	93.23	4629.78	431634.39	91.70	91.70	4629.78	424550.83				424550.83		7083.56	

40	40	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specification.Pg No 110,Item No14.51	Sqm	12.60	4812.48	60637.25	12.60	2750.00	34650.00	12.50	12.50	2750.00	34386.00				34386.00		264.00	
41	41	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13	Sqm	53.59	681.48	36520.51	53.59	550.61	29507.19	54.90	54.90	550.61	30228.49				30228.49	721.30		
42	43	Providing and fixing Vitrified glazed tiles of approved make,quality ,& colour of size 900 x 900 x 12 mm thick fixed on bed of 12mm thickcement mortar for flooring, skirting and jointed with neat cement slurrymixed with pigment to mach shade of tiles, including providing spacersat required interval and removing stains, including cost of all materials, mortar, labour, etc., Complete as per specification.(BCSR Item No 14.45, Page No109)	Sqm	57.92	1227.96	71123.44	57.92	1000.00	57920.00	60.48	60.48	1000.00	60480.00				60480.00	2560.00		
44	44	Waterpeoofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface. including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1	Sqm	48.04	568.08	27290.56	48.04	315.00	15132.60	60.40	60.05	315.00	18915.75	8.35	595.63	4974.00	23889.75	8757.15		
45	45	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80	Nos	1.00	1475.28	1475.28	1.00	850.00	850.00	1.00	1.00	850.00	850.00				850.00			

46	46	KSRB 9-27.1 : Fixing of door frames in an existing opening, including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80	Nos	1.00	1483.92	1483.92	1.00	1100.25	1100.25	1.00	1.00	1100.25	1100.25				1100.25			
47	47	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11	Cum	0.18	94612.30	17030.21	0.18	52000.00	9360.00	0.22	0.22	52000.00	11232.00				11232.00	1872.00		
48	48	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11	Cum	0.18	94620.96	17031.77	0.18	58000.00	10440.00	0.06	0.06	58000.00	3758.40				3758.40		6681.60	
49	49	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15	Sqm	1.89	5099.76	9638.55	1.89	4906.16	9272.64	3.47	2.36	4906.16	11590.80	1.10	5347.10	5895.00	17485.80	8213.16		
50	50	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15	Sqm	1.89	5108.40	9654.88	1.89	3906.16	7382.64	1.89	1.89	3906.16	7382.64				7382.64			
51	51	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121,Item no:15.60.1	Sqm	3.78	104.76	395.99	3.78	62.34	235.65	12.05	4.73	62.34	295.00	7.32	109.84	804.00	1099.00	863.35		

52	50	Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame section of size 92 x31.75mm. With 1.3mm thick, bottom section weight 1.07 kg/m; and shutter comprising top and bottom section of size 40mmx18mm,1.25mm thick 0.417kg/m; shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.46%kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc; and providing and fixing 5.5mm thick plain glass for shutters fitted with rubber beading aluminium sections anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenoned and rivetted in the assembled frame stiffened with end beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any rush and coated with greasy for non adhesion of mortor and other sticky materials:(this fixtures, labhour and HOM at machinery complete as per specifications.Using alluminium section powdered coated to a minimum of 60-70 microns	Sqm	9.00	4789.80	43108.20	9.00	2500.00	22500.00	9.00	9.00	2500.00	22500.00				22500.00			
53	53	Providing and fixing MS grill work for windows and ventilators weighing 21 kgs./ sqm. using MS flats or MS square bars or combination of MS flats and square bars as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat red lead primer & two coats synthetic enamel paint, cost of materials, fixtures, labour and HOM of machinery complete as per technical specification and as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental charges etc.(BCSR Item No 7.9,Page No. 34)	Kg.s	189.00	102.60	19391.40	189.00	98.71	18656.19	413.91	236.25	98.71	23320.00	177.66	107.58	19112.00	42432.00	23775.81		
54	54	KSRB 15-18.2 Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74	Sqm	36.00	102.60	3693.60	36.00	98.71	3553.56	44.35	44.35	98.71	4378.00				4378.00	824.44		
66	63	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet.Short Point Up to 3m (Page No 5/Item No 2.1.1)	Point	6.00	200.00	1200.00	6.00	254.56	1527.36	4.00	4.00	209.70	838.80				838.80		688.56	
67	64	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet.Medium Point Above 3m-6m. (Page No 5/Item No 2.1.2)	Point	6.00	275.00	1650.00	6.00	223.39	1340.34	4.00	4.00	288.34	1153.36				1153.36		186.98	

68	65	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary.25mm Dia,2mm Thick. (Page No 2/Item No 1.2.2)	Rmtr	20.00	53.00	1060.00	20.00	592.23	11844.60	180.00	180.00	55.57	10002.60				10002.60		1842.00	
69	66	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.19/20mm Dia,2mm Thick. (Page No 2/Item No 1.3.1)	Rmtr	20.00	51.00	1020.00	20.00	516.91	10338.20	180.00	180.00	53.47	9624.60				9624.60		713.60	
70	67	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.25mm Dia,2mm Thick. (Page No 2/Item No 1.3.2)	Rmtr	15.00	54.00	810.00	15.00	540.28	8104.20	120.00	120.00	56.62	6794.40				6794.40		1309.80	
71	68	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3 way (Page No 9/Item No 3.4.1)	Each	8.00	95.00	760.00	8.00	218.19	1745.52	2.00	2.00	99.61	199.22				199.22		1546.30	
72	69	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4-5 way (Page No 9/Item No 3.4.2)	Each	10.00	105.00	1050.00	10.00	249.36	2493.60	2.00	2.00	110.09	220.18				220.18		2273.42	
73	70	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thk plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654. 6AMP 3/5 and Switch.(Page No 9/Item No 3.1.2)	No	4.00	132.00	528.00	4.00	374.04	1496.16	2.00	2.00	138.40	276.80				276.80		1219.36	
74	71	Supplying and mounting 2 Nos. of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293. (Page No 9/Item No 3.2)	Each	8.00	150.00	1200.00	8.00	389.63	3117.04	2.00	2.00	157.28	314.56				314.56		2802.48	
75	72	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854.16Amps Combined Switch and socket with indication (Page No 15/Item No 3.3.4)	No	4.00	194.00	776.00	4.00	311.70	1246.80	2.00	2.00	203.41	406.82				406.82		839.98	
76	73	Electronic Stepped regulator.(Page No 15/Item No 3.3.5)	No	2.00	150.00	300.00	2.00	394.82	789.64	2.00	2.00	157.28	314.56				314.56		475.08	

77	74	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.1 5sqmm (Page No 6/Item No 2.3.2)	Rmtr	20.00	20.05	401.00	20.00	924.71	18494.20	850.00	850.00	21.02	17867.00				17867.00		627.20	
78	75	Wiring for lighting / power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.2.5sqmm (Page No 6/Item No 2.3.3)	Rmtr	10.00	32.00	320.00	10.00	610.42	6104.20	12.00	12.00	33.55	402.60				402.60		5701.60	
79	76	Supplying and fixing Metal Fan Box with Round Hook(Page No 3/Item No 1.1.2)	Each	4.00	85.00	340.00	4.00	522.11	2088.44	2.00	2.00	89.12	178.24				178.24		1910.20	
80	77	Supplying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting(Page No 69/Item No 12.4.2)	No.s	5.00	300.00	1500.00	5.00	635.10	3175.50	2.00	2.00	314.55	629.10				629.10		2546.40	
81	78	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 220 volts, 50 cycles, single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm)(Page No 46/Item No 7.3.1)	Each	4.00	2090.00	8360.00	4.00	850.00	3400.00	2.00	2.00	2191.37	4382.74				4382.74	982.74		
		Grand Total RS				2298400.66			2190874.99								2376585.26	326287.34	140577.07	

Percentage of excess comparing to the sanctioned Estimated cost = $\frac{326287.34}{2190874.99} \times 100 = 14.89 =$

$\frac{326287}{2808779} \times 100 = 11.63$

Assistant Engineer
Ward No-02

Assistant Executive Engineer
Yelahanka Sub Division

Executive Engineer
Yelahanka Division

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ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ